

XP-002137473

AN - 1996-250088 [25]

AP - SU19925041500 19920306

CPY - BARN-R

DC - S03

FS - EPI

IC - G01N25/18

IN - MAKARYCHEV S V

MC - S03-E01A S03-E14E7

PA - (BARN-R) BARNAUL PEDAGOGICAL INST

PN - RU2046325 C1 19951020 DW199625 G01N25/18 002pp

PR - SU19925041500 19920306

XIC - G01N-025/18

XP - N1996-210190

AB - RU2046325 Determn. of the thermo-physical condition of soil is carried out by formula obt'd. according to a mass of laboratory and field physical experiments by determn. of the effect of temp., humidity and density on change of the coefft. of heat conductivity of the soil. The formula is obt'd. by an interpolation method of elemental functions of each variable.

- The temp. of the soil is measured and the vol. wt. and the field humidity of the soil are additionally measured and the heat conductivity of the soil is calculated using the obt'd. data and a constant equal to 0.7. A thermometer is used to measure the temp. of the soil and a Kachinskovo instrument is used to measure the specific wt. while the field humidity of the soil is determined by a weighing method.

- USE/ADVANTAGE - Determn. of heat conductivity of loamy soils. Simplified measurement. Bul. 29/20.10.95(Dwg.0/0)

IW - DETERMINE THERMO CONDUCTING SOIL ADD MEASURE VOLUME WEIGHT FIELD HUMIDITY SOIL CALCULATE HEAT CONDUCTING SOIL FORMULA

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INW - MAKARYCHEV S V

NC - 001

OPD - 1992-03-06

ORD - 1995-10-20

PAW - (BARN-R) BARNAUL PEDAGOGICAL INST

TI - Determn. of thermo-conductivity of soil - Includes additional measurement of vol. wt. and field humidity of soil and calculation of heat conductivity of soil by formula